Higher Education

EYP/

EYP is the leading architecture and engineering firm developing new ideas and design solutions with mission-driven clients in higher education, government, healthcare, and science & technology.

Our clients are in the business of changing lives for the better: promoting peace and prosperity; educating the next generation; transforming the healthcare experience; driving discovery and innovation; and protecting the environment. They expect their buildings to have as profound an impact on human behavior and performance as they do on energy and the environment – that's why they come to EYP.

We believe the built environment empowers our clients to succeed – as individuals and organizations – and that their success should be a key measure of building performance. Our interdisciplinary Total Impact Design™ approach helps clients achieve their mission.

We begin by understanding the "whys" driving every client's vision, needs, and goals. We encourage our clients to be ambitious — to imagine a future where expectations are achieved and even surpassed. The design we co-create is realized through creative collaboration and an iterative process tested and informed by rigorous research. Long after project completion, we continue to partner with clients to measure and analyze how a building contributes to the ongoing success of their mission.

EYP design innovation is characterized by our dedication to:

People — liberating potential to transform human performance

Purpose — actively helping clients advance their mission

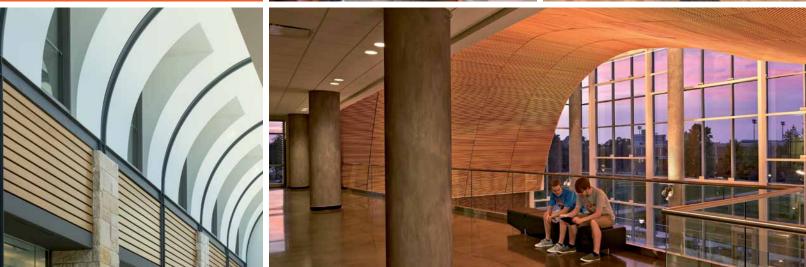
Planet — maximizing available resources to advance sustainability

Inspired by our clients, design is how we make a positive impact on the world.









HIGHER EDUCATION

EYP partners with leading public and private institutions developing new ideas and design solutions that activate holistic learning and foster community. We break down boundaries between traditional space types – formal/informal, student/faculty, teaching/research, lab/classroom, study/social – to give students and faculty room to grow: flexible collaborative environments that support team-based discovery and research, enable creativity, and promote critical thinking skills. Healthy, sustainable, and resilient buildings embody campus values by allowing students to take greater ownership of their learning and development, preparing them for lifelong success.

Planning and Design Expertise

- Academic Innovation
- Campus Master Planning
- Fine & Performing Arts
- Historic Preservation
- Laboratories
- · Libraries & Multimedia
- Living-Learning Facilities
- Modernization & Adaptive Use
- STEM Teaching & Research
- Student Life

Recognition

- #4 University Sector, Building Design + Construction Giants 300
- #3 Green Design Firm, Education Sector, Engineering News-Record Top Green Design Firms

Contact

John Baxter, AIA, LEED AP 202 471 5050 / jbaxter@eypae.com

SCIENCE

Designing buildings that improve the quality of science education is central to our mission. The demands of interdisciplinary study, and the rapid emergence of new fields, call for innovative and flexible designs that encourage collaboration. Our discovery process is founded on years of best practices in this building type, as well as critical research with our strategic partners. EYP's designs promote a culture of learning that allows science to be accessible, visible, and exciting to students, faculty, and communities.

We are committed to playing an active role in inspiring 1 million more students to major in Science, Technology, Engineering & Math (STEM): eypaedesign.com/science-on-display

Our Research Program evaluates and substantiates the impact of our STEM and Living-Learning facility designs on occupant behaviors to inform design innovation: eypaedesign.com/research

Middle Tennessee State University Murfreesboro, TN Science Building



The new interdisciplinary science facility brings team-based learning to the forefront of the MTSU educational experience in chemistry and biology to advance the University's unique mission of preparing tomorrow's leaders in elementary and secondary education. The facility's transparent design stimulates interest across disciplines and encourages collaboration, discovery, and effective intellectual collisions. An open circulation plan ensures daylight and views in and out of the facility.

To support the increasingly collaborative, interdisciplinary nature of scientific methodology and team-based learning, the new building is organized around a series of intellectual neighborhoods based on shared scientific pursuits, rather than traditional departments. Each cluster of faculty offices, classrooms, teaching and research labs, and instrumentation/ support spaces also includes informal student spaces to facilitate facultystudent interaction and group work for both class and research projects. Neighborhood wet bench spaces offer shared instrumentation and communal write-up and group discussion rooms. To test new curricula and pedagogies, experimental learning spaces incorporate both low and high technologies, including imaging and communications systems with sinks and movable tables.

MTSU's new science building houses 49 labs and supports a broad range of programs beyond biology and chemistry, such as aerospace, agribusiness/agriculture, engineering technology, nursing, physics and astronomy, elementary education, wellness and exercise science, nutrition/food science, geology, and social work. The design was a joint venture between EYP, TMP, and Hastings Architecture Associates.

- 257,000 GSF new construction
- Programming & Planning, Architecture, Laboratory Planning, Energy Analysis





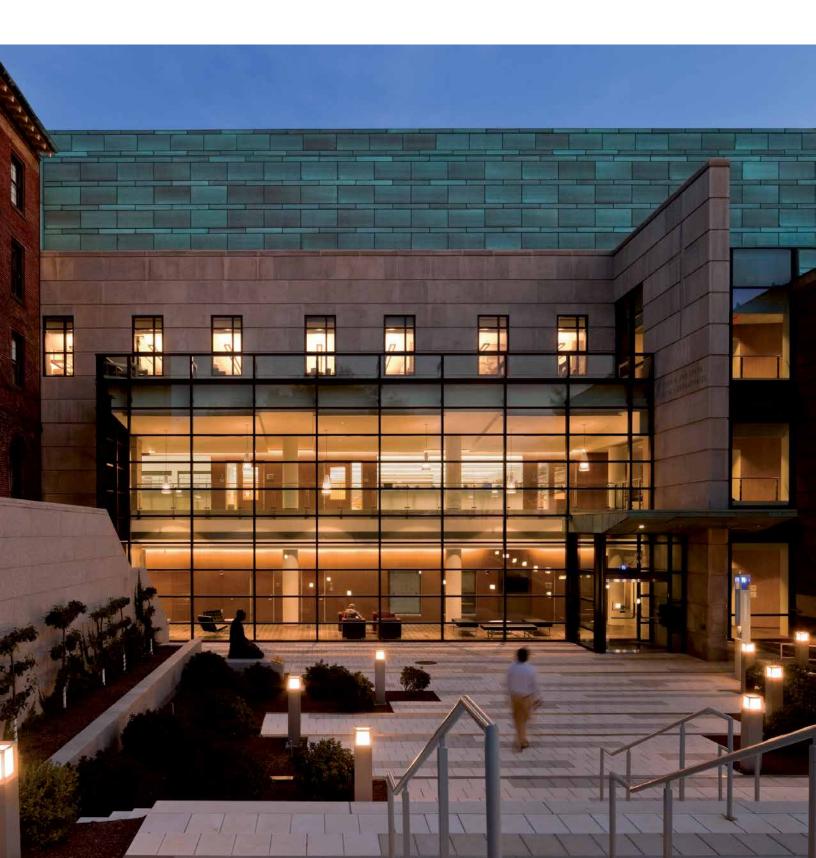






College of the Holy Cross worcester, MA

Integrated Science Complex



The College of the Holy Cross sought to foster collaborative, interdisciplinary science teaching, learning, and research within a facility that would open the excitement of scientific experimentation and discovery to the community. The facility needed to provide opportunities for effective intellectual collisions among the sciences and across the liberal arts.

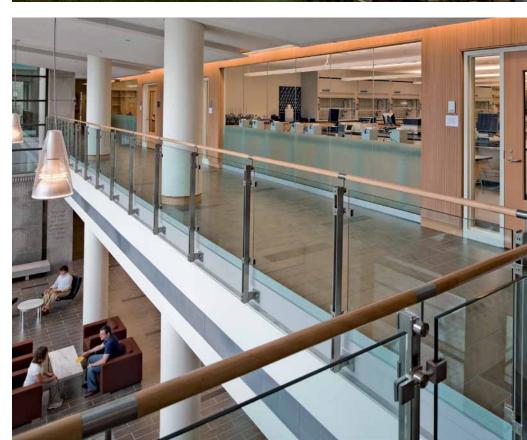
The Integrated Science Complex connects the renovated Haberlin, Beaven, O'Neil, and Swords Halls to the new Smith Labs, creating an exciting multidisciplinary science community whose open spaces attract students from all over campus. New and renovated atria give the complex an open and inviting feeling and form a connective spine, visually uniting three levels of entryways. A variety of gathering places on every level provide opportunities for group study and conversation. The complex includes teaching and research space for chemistry, biochemistry, and physics.

With its transparent walls and strategic adjacencies of classrooms, public spaces, and laboratories, this campus focal point puts science on display. By renovating and adding to existing structures, the College gained a state-of-the-art science complex at far lesser cost and disruption than new construction.

- · LEED Gold certified
- 43,800 GSF new construction
- 89,700 GSF modernization
- 12,300 GSF addition
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Structural Engineering, Energy Analysis
- Boston Society of Architects Honor
- AIA New England Honor Award for Design Excellence
- The Hobson Award









Pennsylvania State University State College, PA

Steidle Building Renovation & Addition



We have partnered with Penn State to transform the interior of the Steidle Building – a Charles Klauder design contributing to a National Register Historic District – into a sustainable state-of-theart teaching and research environment for the Department of Materials Science and Engineering.

Originally built in 1931 as a U-shaped floor plan, a center wing was added in 1939. Analysis demonstrated that removing the 1939 wing could allow the addition of a new, larger infill to house highly flexible, technically-robust research spaces, with the building's original 1931 footprint supporting less intense functions. Our design organized the plan "research clusters" - suite spaces conducive to the increasingly interdisciplinary, collaborative research environment. The modernization design updated building systems, enhanced accessibility and life safety, and provided the infrastructure required for current and future materials science research.

This adaptive use project is designed to realize annual building energy cost savings of 42% relative to the ASHRAE 90.1-2007 baseline. Using a uniquely inclusive scenario-building process, the design team and PSU staff worked with our energy group to analyze first costs, energy performance, and operational savings simultaneously and in real time, ultimately helping the University reinvent a campus icon while saving over \$500,000 in construction costs.

- 34,000 GSF new construction
- 66,000 GSF modernization
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Energy Analysis









$Trinity\ University\ {\tt San\ Antonio,\ TX}$

Center for Sciences & Innovation



The forward-thinking design of CSI places the most innovative learning space at the building's front door on the main campus quadrangle. A series of student teamwork spaces — sized to accommodate both freshmen and seniors — supports the iterative think/model/make learning process.

Shared space fosters collaboration among class cohorts, enabling younger students to learn and be inspired by upper-level students. An operable glass wall enables the thinking space and the making space to be either separated or connected.

The double-height making space, dubbed "the Cube," embeds the classroom experience in the laboratory. "Garages" containing the tools for making surround and are connected to the Cube via overhead doors. A moveable instructor station and movable student workstations - incorporating benchtops, white boards, tool cases, and digital displays - enable teaming areas to be easily reconfigured. Overhead garage doors that open onto the main campus quad allow students to move their projects outside, making them visible to the entire campus. An open computer lab and study spaces overlook the making space.

The glass-walled modeling space puts the excitement of the problem-solving process on display for students passing through the corridor. Classatories for sophomores and juniors also integrate lecture and lab spaces, emphasizing just-in-time learning prior to application.

- LEED Gold certified
- 155,000 GSF new construction
- 85,000 GSF modernization
- Programming & Planning,
 Architecture, Laboratory Planning,
 MEP Engineering, Energy Analysis



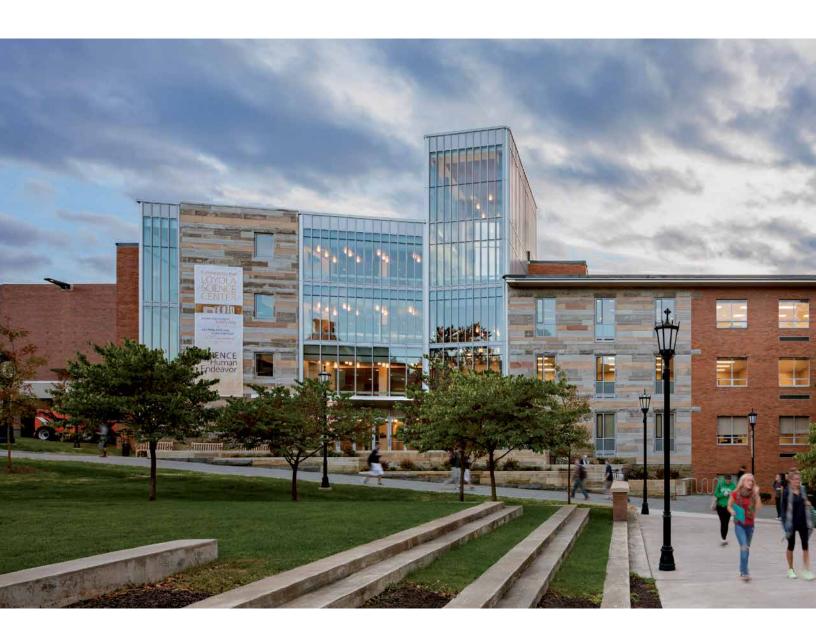






University of Scranton Scranton, PA

Loyola Science Center





Prominently sited alongside a highway, the interdisciplinary Loyola Science Center is a signature campus gateway that communicates the excitement of science and the intellectual rigor that is a hallmark of the Jesuit tradition.

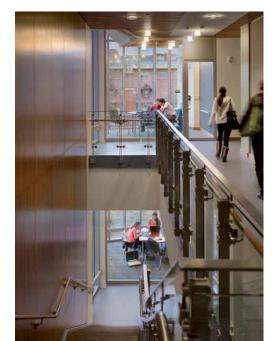
A series of stepped pavilions brings the massing of the facility down to the scale of neighboring buildings to frame a new science green adjacent to the historic Catlin House. The use of variegated local stone from the same quarry as the Scranton estate helps create a unified architectural expression on a campus with many variously hued brick buildings. A connecting concourse with a new atrium forms the heart of the Center, linking it closely with the Campus Commons and the DeNaples Center and Green. A mat slab foundation system mitigates the structural risks posed by abandoned coal mines deep beneath the site and the ground-borne, train-induced vibrations from a nearby railway line.

The design clusters groups of faculty/ student research laboratories around suites of advanced teaching laboratories. Adjacent faculty offices and collaboration spaces facilitate faculty-faculty and student-faculty interaction. The student-focused design features variously scaled informal spaces strategically located outside of labs, off hallways, and near faculty offices. The atrium attracts students and faculty from all over campus, activating the building outside classroom hours.

- LEED Gold certified
- 166,500 GSF new construction
- 48,000 GSF modernization
- Programming & Planning,
 Architecture, Laboratory Planning, MEP
 Engineering, Structural Engineering,
 Energy Analysis











New York University New York, NY

Center for Genomics & Systems Biology Renovation



The Center for Genomics and Systems
Biology is an interdisciplinary research
center that rises behind the historic
façades of three 100-year-old buildings in
a dense urban neighborhood. To maximize
space on the tightly constrained campus,
the facility is innovatively planned as a
10-story, vertical scientific community
that promotes collaboration by fostering
circulation and interaction between floors.

Behind the preserved façades, demolition of the existing structures and new construction proceeded in phases. The building expanded from six floors and a cellar, to eight floors, a cellar and subcellar, mechanical penthouse, and rooftop greenhouse. Flexible, openplan laboratories efficiently co-locate more than one hundred genomics and bioinformatics scientists. The facility also contains a greenhouse and special environmentally controlled rooms for plant growth and other biological functions. Shared core facilities accommodate sensitive equipment and instrumentation. Flexible informal spaces foster intellectual community; an 86-seat auditorium enables the Center to host faculty and global partners for conferences and symposia.

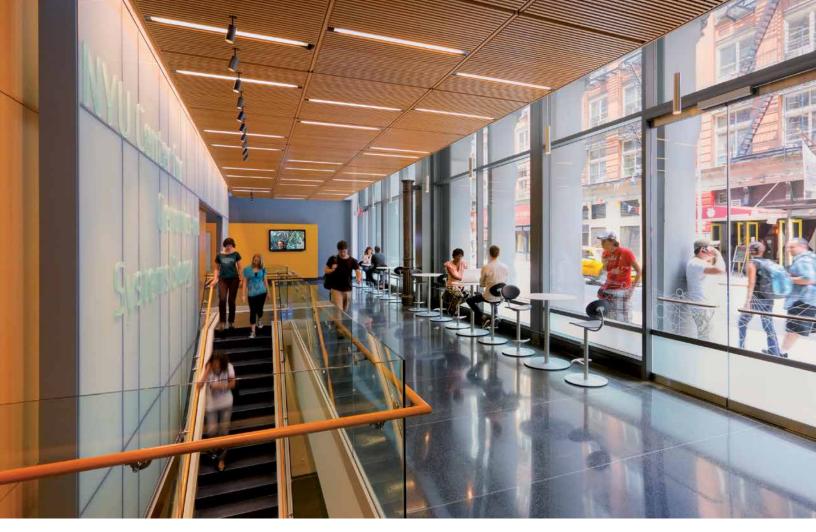
EYP is Executive and Collaborating Architect in association with Ennead Architects.

- 71,000 GSF new construction
- Programming & Planning, Architecture, Laboratory Planning











ACADEMIC INNOVATION

Today's classrooms must accommodate multi-modal presentations and group learning, as well as the traditional pedagogical system of text-based lectures and testing — all within a single space. Our designs for collaborative/experimental academic spaces maximize instructor-to-student and student-to-student contact while incorporating technology as a learning tool. Whether known as Maker Spaces, Innovation Zones, or Classatories (hybrid classroom/labs), today's learning spaces simulate real-world creative environments to help students develop higher-order critical-thinking and collaborative skills.

Bryant University Smithfield, RI

Academic Innovation Center



Bryant's new Academic Innovation Center (AIC) is an immersive, collaborative learning environment for the iterative design process.

The AIC was designed to promote the entrepreneurial spirit that characterizes the renowned College of Business brand experience for both students and faculty. The 50,000 SF facility is organized around the Innovation Forum, a highly flexible space whose furnishings and whiteboards can be reconfigured to support various group learning activities, enabling collaborative hands-on discovery. Semienclosed breakout spaces along the building perimeter provides quieter and more private group work settings. The program also includes tiered classrooms, flat-floor flexible classrooms, and breakout spaces to accommodate multimodal presentations and learning.

Reinforcing the concept that the building belongs to the entire university rather than a particular department, the program replaces assigned faculty offices with a flexible Faculty Workshop – including conference and storage space – that any faculty member can use whenever they are in the facility to work with students.

Prominently sited at the campus's main point of arrival, the AIC welcomes visitors and serve as the launching point for Admissions tours. A café is located near the building's main entrance and adjacent to the President's Walkway – the campus's central pedestrian circulation path.

- 50,000 GSF new construction
- Architecture, MEP Engineering, Programming & Planning, Energy Analysis, Construction Administration









Virginia Tech Blacksburg, VA New Classroom Building



Virginia Tech's new classroom building advances the University's mission to "invent the future" by transforming the science learning environment. The cuttingedge design creates two radically different types of spaces: the SCALE-UP (Student Centered Active Learning Environments for Undergraduate Programs) classroom and the classatory, a hybrid classroom/lab.

The two SCALE-UP rooms, whose concept was tested in other campus buildings, are furnished with 11 seven-foot round tables — the optimal size for interaction, according to NCSU research — with microphones, power cords, and cable connections to monitors around the room. Nine students work in three groups of three, collaborating on real-world science problems.

The four flexible classatories blend elements of traditional classroom and laboratories to support the Integrated Science Curriculum, in which students work in several disciplines – biology, chemistry, physics, etc., – within a single class period. Each classatory has a central wet lab area, moveable tables, and one or two fume hoods and sinks. Enclosed, connected prep spaces house equipment requiring supervision. Write-up spaces between wet labs also support informal study outside class hours.

- 74,000 GSF new construction
- Programming & Planning,
 Architecture, MEP Engineering









Lehigh University Bethlehem, PA

Mountaintop Campus



Lehigh University and EYP transformed an abandoned steel research facility into an experiential 21st century academic environment and a true campus building that reaches out to its Mountaintop setting. Within the building a range of spaces were created for the new Data X analytics program and other collaborative environments where cross disciplinary groups could come together, built with maximum flexibility in mind to allow for growth and change.

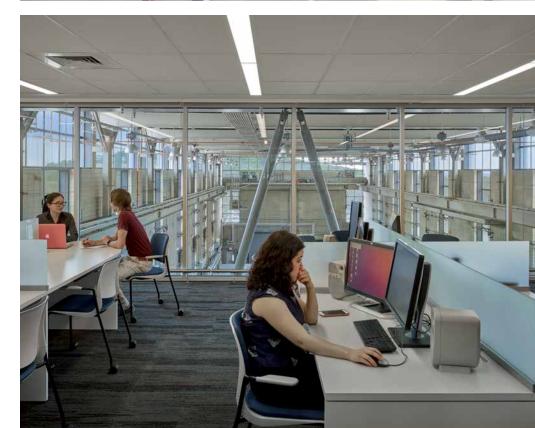
The interventions sought to create an innovative environment for collaboration across the University and with outside partners, while harnessing the energy of the inspirational spaces in the existing building. The dynamic insertions of the three story 'mixing boxes' and the stairs created connectivity between the circulation at the quad side, the work spaces in the linear 'Crescent' and the high bays. They contain lounge, meeting and working areas, projecting into the 50' high bay spaces and creating a tension between the original awe-inspiring industrial space and the new uses that transform it. The bays themselves have new infrastructure where teams can come together to create projects and maker spaces in their ancillary wings.

The new linear addition on the east side played a fundamental part in transforming the business park building into a true campus building. By relocating the Crescent circulation to the quad side of the building, large open areas could be created within for flexible classrooms and work areas.

- 63,000 GSF Modernization
- Architecture, MEP & Structural Engineering, Programming, Energy Analysis, Construction Administration









Seattle University Seattle, WA

Center for Science & Innovation (CSI)



The CSI is a 275,000 GSF complex consisting of a new building at the campus gateway and the transformation of two existing STEM buildings - Bannan Science and Bannan Engineering. The project will transform the facilities into an integrated complex for the College of Science and Engineering, celebrating the disciplines as the pivot of an educational experience at Seattle University. The complex will house the Biology, Chemistry, Civil & Environmental Engineering, Computer Science, Electrical & Computer Engineering, Mathematics, Mechanical Engineering and Physics departments.

The innovative program for the new facility includes community-activation components that support youth-serving organizations and form a dynamic public concourse on the first floor that will energize 12th Avenue. The Center for Community Engagement — the home of the Seattle University youth initiative that provides a pathway of support for local children and their families — is located prominently on the first-floor entry terrace that doubles as a community resource for the building's café. A large Makerspace that will be a university wide resource will wrap the corner, enlivening the campus entry.

The renovated buildings will be repurposed for modern science and engineering. A new entry for Bannan Science will provide better circulation to promote connections within the complex. Bannan Engineering will gain a dynamic new hub at the building's crossroads on the third floor when the Engineering Project Center is consolidated there.

- 110,000 GSF New Construction
- 165,000 GSF Partial Modernization









NC A&T State University Greensboro, NC

Engineering Research & Innovation Center (ERIC)



The North Carolina Agricultural & Technical State University Engineering Research and Innovation Center (ERIC) will be a new, \$90M, state-of-the-art interdisciplinary and multi-functional facility for academics, research and community engagement, which shall provide the technology, environment and education necessary to meet the global challenges of tomorrow.

The facility will feature wet and dry labs, manufacturing and process systems high bay, core research high bay, bio-mechanical core lab, cyber security core lab, systems engineering lab, maker and fabrication spaces, ideation seminar rooms, classrooms, conference space, and offices.

The facility will host experiential learning and prototyping laboratories and studies, distance learning facilities, and modern learning spaces designed for hands on practice and innovation. The interior spaces of ERIC will contain thematic research spaces, living labs/experiential studios, modern reconfigurable classrooms, office and meeting spaces, and strategically designed open/green spaces. The three main programs in ERIC will be Cyber Security and Network Systems, Energy and Sustainability, and Health Applications.

• 130,000 GSF new construction









The College of New Jersey Ewing, NJ New STEM Building



TCNJ's new 89,000 SF STEM building anchors a cross-disciplinary STEM Complex by uniting the existing science buildings to Armstrong Hall, home of the Engineering program. Reflecting the latest research and pedagogies, the new facility provides cutting-edge academic spaces and labs — including a robotics labs, biosafety level-2 testing labs, an engineering design studio, and a metal fabrication/assembly workshop — as well as student spaces, and faculty offices for the Schools of Engineering and Science.

The heart of the new building and the Complex at large is the Innovation Center – a unique glass-walled environment for collaborative learning and research – that visually and physically connects the digital design lab, student project space, metal fabrication workshop, and prototyping lab with 3D printers and laser cutter. Highly flexible and technologically robust, the venue accommodates multimodal presentations, seminars, and demonstrations of student projects.

Designed to foster group learning through an iterative think/model/make process, the Innovation Center also supports mechanical engineering, robots, and biomedical engineering, which have adjacent wet labs and clean room.

Phase 1 of the project focuses on the new STEM facility, whose transitional design scheme responds in massing, scale, materials, and details to the campus's Collegiate Georgian architectural vernacular. The existing Science Complex will be enlarged by 23,600 GSF Chemistry addition. Phase 2 will modernize 56,000 GSF of existing classroom and lab space.

The project is designed to LEED Silver standards but will not pursue certification.

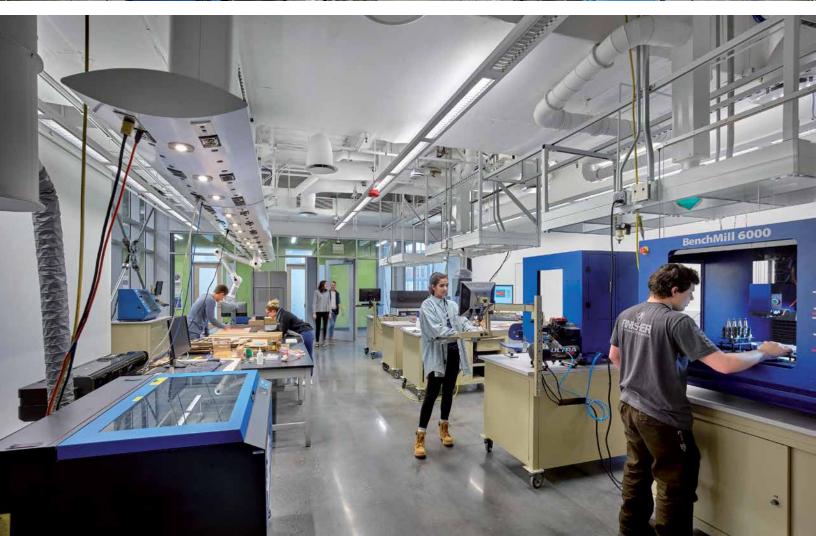
- 89,000 GSF new construction
- 56,000 GSF modernization
- 23,600 GSF addition
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Structural Engineering, Energy Analysis











LIBRARIES AND CULTURAL CENTERS

New media, pedagogies, and cultural shifts are profoundly changing the roles of libraries and cultural centers. We design spaces that support evolving media and technologies and accommodate a variety of research and study styles. Our expert teams work together across disciplines to ensure signature spaces that announce an institution's unique character and mission. Our designs address the critical issues of collections storage, management and access, simultaneously encouraging exploration and reflection.

Princeton Theological Seminary Princeton, NJ

Library Renovation and Addition



The Princeton Theological Seminary Library is a signature complex whose research, collection management, and collaborative spaces support a 21st-century "theological library for the world." The Library is a global destination for theological scholarship with a collection second in size and importance only to that of the Vatican.

Through selective demolition of the original Library, modernization of the 1992 addition, and new construction, our high-performance design approach enhanced the best aspects of existing structures to create a contemporary building that respects, but is not bound by, tradition. The contemporary design incorporates traditional materials in a translational way to evoke the timelessness of scholarly activity while acknowledging and enhancing the historic context of Princeton in which it stands.

The Library is organized as a series of pavilions grouped around the atrium, providing a variety of inviting spaces for study, professional and scholarly interaction, and display. The addition includes a monumental double-height reading room, seminar rooms, and individual study carrels designed to facilitate new methodologies of both group and individual instruction within the Seminary. The modernization reconfigured staff, special collections, and patron space, infusing the entire complex with state-of-the-art technology for research and collaboration.

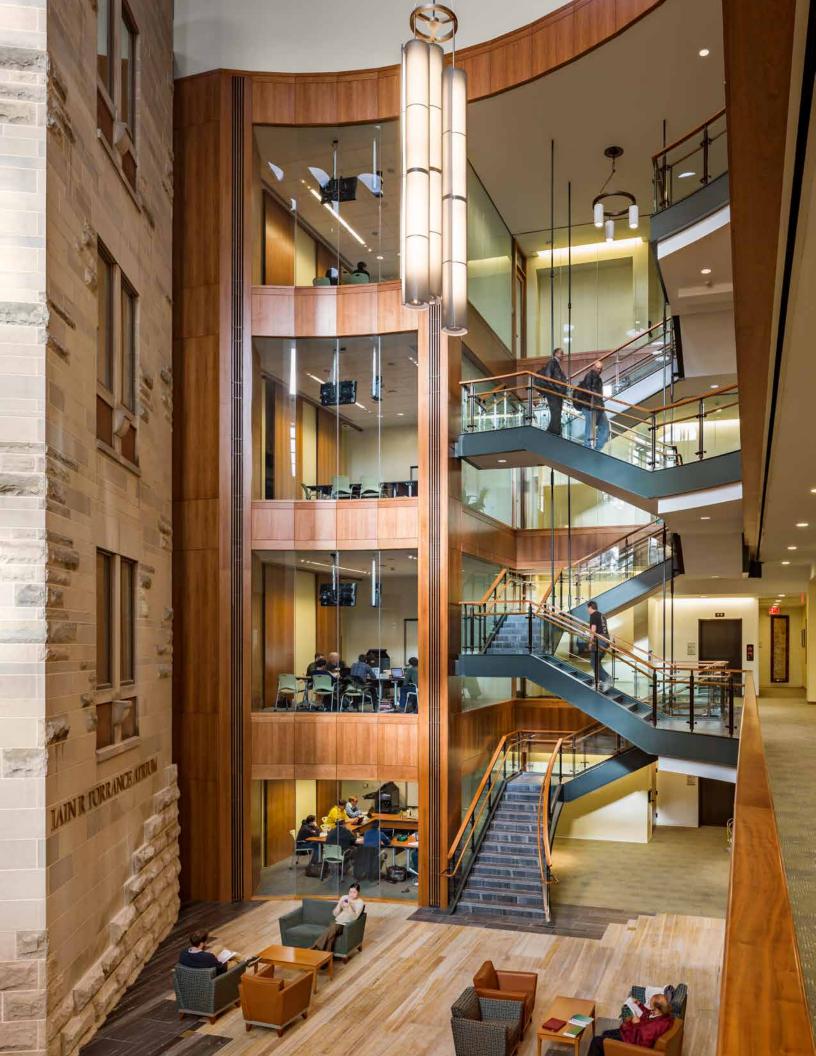
- 91,000 SF new construction
- 45,000 SF modernization
- Programming & Feasibility Study
- Architecture, Engineering, Programming, Planning
- Historic Preservation, Modernization





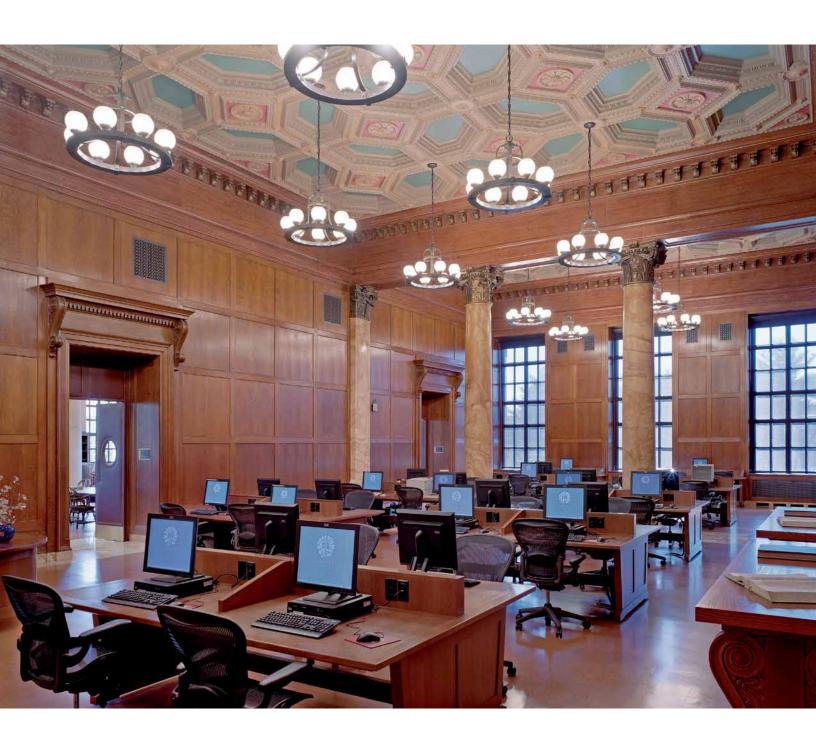






Harvard University Cambridge, MA

Widener Library Renovation



The modernization of this campus icon embodies many of the typical challenges facing the renewal of public and institutional architecture at a high level. New elements accentuate and celebrate Horace Trumbauer's landmark original design, while seamlessly integrating the new program and systems necessary to ensure patron comfort, collections security, and a state-of-the-art workplace environment for staff.

We initially focused on weaving state-of-the art building systems – particularly environmental controls – within the historic fabric. Restricted by the original donor bequest to working within the building envelope, the team developed an innovative strategy for the infill of two light courts. This found space now contains new circulation cores, space for mechanical equipment, and staff workspaces, topped by two signature sky-lit reading rooms.

New systems, lighting, fire protection, and security upgrades were seamlessly integrated into all of the historic spaces, and historic materials renewed and conserved, infusing these carefully restored rooms with the environment, technology, and finishes appropriate for a modern library and a world-class building. All work followed an implementation plan developed jointly by EYP and the Construction Manager that allowed the continuous use of the facility during the renovation.

- 320,000 GSF modernization
- Programming & Planning, Architecture, MEP Engineering
- Educational Facility Design Award Merit, BSA / SCUP
- Palladio Award ,Traditional Building Magazine/Restore Media
- Library Building Award, AIA/ALA
- Design Award Citation Award, AIA
 New England Chapter









$American\ University\ {\it washington,\,DC}$

Katzen Arts Center



American University wanted a signature building that would enhance its identity and advance the profile of its renowned arts programs. The Katzen Arts Center, located at Ward Circle on Massachusetts Avenue, creates an integrated community for the arts by combining studio arts, music, performing arts, and an art gallery under one roof, encouraging faculty and staff to explore the limitless possibilities in the arts.

The building is defined by three distinct forms: The art gallery, which is the most public space, gives the building its distinctive identity, and is characterized by a cylindrical form graced by an outdoor sculpture garden. The studio/classroom wing, with its gently curvilinear form, is located at the opposite end of the site, affording the students some privacy. Its distinctive rotunda serves as the entrance into the studio wing and as an informal gathering space for the students. Finally, the recital hall, dance rehearsal space, and black-box theater provide a connection between the gallery and studio wings.

The program spaces are organized around a major interior "avenue," providing venues for the production, and display and presentation of dance and theater arts, and music and visual art. Major program spaces include an art gallery for permanent, student and traveling exhibits, 200-seat recital hall, black box theater, dance rehearsal space, classrooms, art studios, and music practice and ensemble spaces.

- 325,000 GSF new construction
- Programming & Planning,
 Architectural Design, MEP Engineering
- AIA Potomac Valley Design Award Grand Honor
- · AIA Washington, DC Merit Award
- Mid-Atlantic Construction Magazine

 McGraw Hill Design Award Merit

 (Cultural, Museum & Entertainment Category)







STUDENT LIFE

Shared experiences bond members of a community for life. Supporting a living and learning lifestyle requires a complex balance of flexible and comfortable public and private spaces that suit the way today's students live, work, and play. Our student life experts build on years of experience working closely with campus constituents to grasp the essence of each community. The college experience helps shape an institution's public image. We create spaces that foster individual growth within community and enhance institutional identity.

University of Houston Houston, TX

Student Center Transformation



The centerpiece of one of the largest campus transformations in the nation, the new Student Center celebrates the evolution of UH from a largely commuter campus to a nationally recognized Tier One research university with a strong athletic program. The addition of 120,000 square feet more than doubles the size of the existing 92,000 SF facility to better meet student needs and enhance the campus life experience.

The design seamlessly blends renovation and new construction, integrating larger flexible gathering spaces with more formally designated service and administrative spaces. The Arbor Lounge is reconceived as a three-story enclosed atrium whose monumental steps are the "see and be seen" gathering space and the new social center of the building. The uncluttered west side is defined by the flexible open space of the new Legacy Lounge. On the UC's north side, a new building provides 68,000 SF of open, collaborative spaces dedicated to student organizations. To the east a 52,000 SF addition to the original building houses food services and amenities.

WTW was the Associate Architect.

- 302,000 SF addition
- Bowling Alley
- 450-seat Theatre
- Food Services









Towson University Towson, MD

Newell & Richmond Halls



This LEED Silver high-performance modernization project breathes new life into Newell and Richmond Halls, creating a premiere student housing experience while celebrating Towson's rich architectural tradition. The connected four-story buildings form an iconic campus cornerstone whose 93,500 GSF houses 315 students.

One addition, sympathetic to the Jacobean architecture of the University's original structures, resolve complex accessibility issues and provide study and social spaces for students that foster a sense of community. The renovation maximizes student common areas and daylight on each floor, building student community. Further social space was added outside to improve access and security while integrating Newell and Richmond into the campus's pedestrian network.

EYP solved longstanding envelope failures through careful analysis, tracing them to the original design, poor construction materials and practices, ill-conceived additions, and errors in earlier repairs and maintenance. At Richmond Hall, cast stone window heads were selectively replaced and mullions re-detailed to increase their load-bearing capacity. At Newell Hall, the terra cotta window surrounds were similarly improved, and all parapets were removed from the eaves to improve roof drainage, without negative effect on the historic roof-lines that form the eastern face of the campus. Exterior stair towers were removed to expose original facade whose restoration has garnered several prizes.

All work was developed consistent with the State of Maryland, University of Maryland, and Towson University specific design standards.

- 93,500 GSF modernization
- Programming & Planning, Architecture, Historic Preservation, MEP Engineering

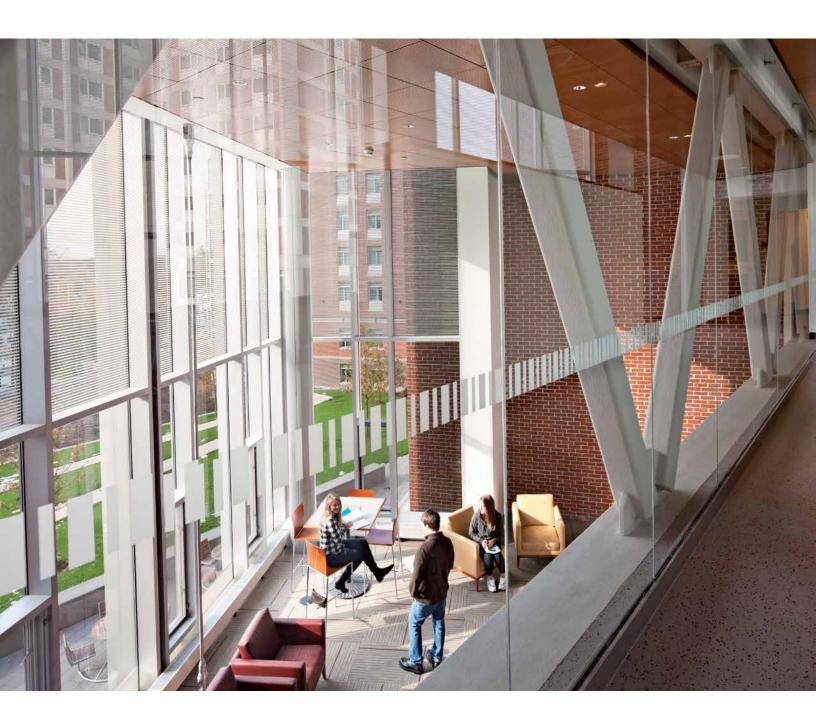






Framingham State University Framingham, MA

North Hall Residence Hall



Framingham State University's new residential hall creates a new campus gateway on Route 9. Working with the Massachusetts State College Building Authority (MSCBA) and Framingham State University, EYP teamed with Pfeufer Richardson Architects and Consigli Construction to design North Hall, a 409-bed facility that houses primarily sophomores and juniors in suite-style units.

The design locates the building's portal at the confluence of existing view axes and uses glazed elements to denote public spaces. To support student development and encourage community, floors are divided into two neighborhoods of suites which connect via two-story Portal Lounges. Additional social spaces are located at each of the building's ends and in a third-floor commons.

To advance the University's commitment to sustainability, the project incorporated energy-saving elements such as closed-loop ground-source heat pump, heat recovery wheel, and storm-water reclamation for irrigation.

- LEED Gold certified
- 127,500 GSF new construction
- Programming & Planning, Architecture







University of Michigan Ann Arbor, MI North Quadrangle Housing & Academic Complex



The University's first new residence hall in nearly 40 years is a unique, technology-rich campus gateway and 24/7 experiential living/learning community that blends residential life and academic program elements. The building's high-performance design realizes energy cost savings 30 percent beyond the ASHRAE baseline.

Three types of shared space support the University's ambitious program: (1) spaces shared by academic departments; (2) spaces shared by building residents and their neighboring faculty/programs; and (3) public community spaces. Public spaces such as the Media Gateway, Language Resource Center, and Sweetland Writing Center serve users from all over campus. Tiered and flexible, flat-floor classrooms, as well as seminar and computer spaces support both undergraduate and graduate pedagogies. Flexible "opportunity rooms" were designed to accommodate student activities from yoga to poetry reading and beyond.

Creating a sense of "home" is critical, especially in a building of this scale. Residential spaces include singles and suites arranged in neighborhoods scaled to support student development in community. Each of the ten floors in the residential tower has its own lounge; a community lounge for building residents is located on the tenth and most private level. A café and dining hall serve both residents and the campus at large.

We served as Executive Architect in partnership with Design Architect Robert A.M. Stern.

- 350,000 GSF new construction / 460 heds
- Programming & Planning,
 Architecture, MEP Engineering







Princeton University Princeton, NJ

Hamilton, Holder & Madison Halls



Three historic Collegiate Gothic structures were modernized to accommodate a 21st-century residential college program while preserving their historic character. Extensive exterior repair and interior renovation improved accessibility and circulation patterns.

After the programming for Holder Hall was completed, the University initiated a change in its Residential College program. Three of its six two-year colleges – including Mathey – were redesignated as four-year colleges, requiring the introduction of new graduate student apartments into the design. Throughout the building, student rooms, bathrooms, and common spaces were renovated, and in many instances, rearranged. We depressed the floor elevation and excavated along the south façade to incorporate study rooms, student activity rooms, music practice rooms, a student lounge, and a new student art gallery.

Work subsequently addressed the adjacent Hamilton and Madison Halls which include rooms for both underclassmen and upperclassmen; administrative offices, dining halls, and common rooms for both Mathey and Rockefeller Colleges; and student lounges, campus bakery, computer cluster, library, theater, and seminar rooms.

- 150,000 GSF modernization / 300 beds
- Programming & Planning,
 Architecture, MEP Engineering
- Historic Preservation
- Design Award, AIA New York State
- Platinum Reconstruction & Renovation Award, Building Design + Construction
- · Citation Award, AIA New York State
- Tucker Award for Architectural Design Excellence, Building Stone
- Golden Trowel Award, International Masonry Institute
- Reconstruction Project of the Year, Building Design & Construction
- Renovation Merit Award, New York Construction News









Pace University Pleasantville, NY New Student Life District Master Plan



The complete redesign of Pace's 200-acre Pleasantville campus transforms the topographically rural landscape of the formerly commuter University into a 21stcentury residential campus, strengthening the sense of place to enhance student recruitment and retention. Indoor and outdoor spaces merge whenever possible, connecting buildings to nature in alignment with Pace's institutional history of environmental conservation. Our programming, planning, and complete design services reinvent the Pleasantville campus with a comprehensive redevelopment Master Plan that is financially feasible, tuition neutral, buildable, while meeting institutional, town, and local code requirements for approval.

The student-focused, pedestrian-friendly redesign resolves the issues presented by the University's decision to close its Briarcliff campus, consolidating all operations onto the expanded Pleasantville campus. The Master Plan includes two phases, the first of which creates a new campus core – a major central green space that will serve as the new heart of the campus, reducing vehicular circulation, encouraging serendipitous interaction among students and faculty as they cross campus, and providing a unified focal point for the surrounding buildings. Phase One construction, which runs through 2016, includes new Residence Halls designed to foster community; renovation of the Kessel Student Center with the addition of a Dining Hall; a new LEED Silver-designed Environmental Center; and a Field House that channels students to the primary athletic field.

- 380,000 GSF
- Programming & Planning,
 Architecture, MEP Engineering, Energy
 Analysis









$Howard\ University\ {\tt Washington,\,DC}$

Bethune Hall Dining Facility



The creative sustainable design of Bethune Dining Hall transforms the round, two-story structure into a vibrant signature structure — a gathering place that fosters community while exceeding the University's sustainability goals. We worked closely with Sodexo and the University's dining services and facilities management teams, generating design options informed by early phase energy modeling to maximize the building's energy performance with a fully glazed envelope.

The serpentine design serves as a beacon along the natural pedestrian pathways, connecting two dormitories with a modern dining room. Custom-designed exterior glass panels blend opaque and transparent glazing to reduce energy costs; allow full daylight and outdoor views for diners; and promote privacy between the facility and adjacent residence halls. Students gather in small seating nooks strategically interspersed among serveries to socialize, dine, and utilize the WIFI connectivity found on both levels of the modernized and welcoming hub.

The reuse of the existing structural spaces kept construction demolition to a minimum; recycled and regional materials are utilized throughout; and low-emitting paints, sealants, and flooring optimize indoor environmental quality. The facility boasts a highly energy-efficient variable refrigerant system, low-flow plumbing fixtures, LED lighting, and roofing and pavers that reflect solar radiation and reduce heat island effect.

- 9,500 GSF new construction
- 9,750 GSF modernization
- 5,100 GSF terrace restoration
- Programming & Planning, Architecture, MEP Engineering, Structural Engineering









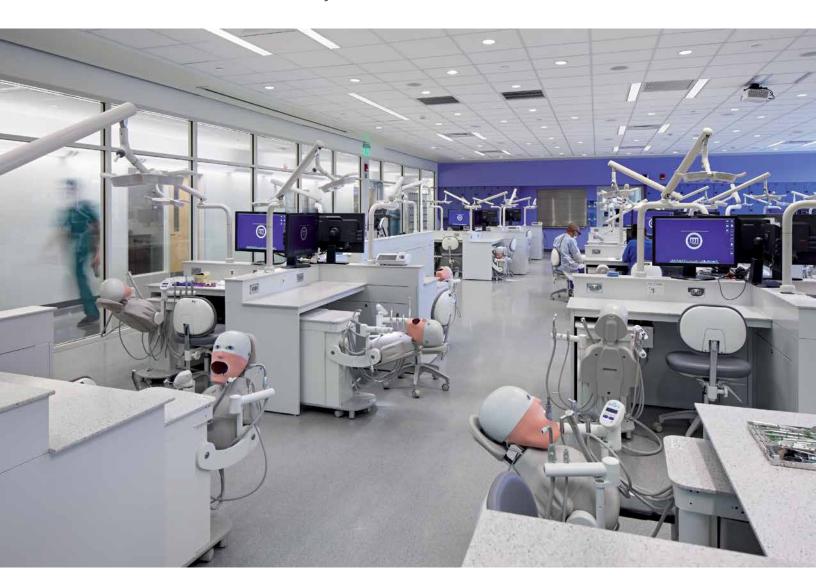
HEALTH EDUCATION

We are committed to helping our nation address some of today's most critical issues – education, healthcare, and energy. Working with clients whose mission embodies the intersection of these issues is our passion and privilege. Our integrated AEEI team is helping advance integrated, systems- and team-based education for medical, nursing, dentistry, and allied health professionals through client-centered, high-performance design.

Our evidence-based approach yields flexible, immersive, and active spaces that support diverse learning styles, promote synergies for collaboration, and help ease students' transition to clinical work. From technology-infused environments for medical simulation, to smart classrooms and labs, and to gracious soft spaces, our goal is a unified spatial experience that fosters learning in community. This is how we define high-performance design — beautiful facilities that express institutional vision and identity, promote occupant health and well-being, encourage inter-professional community, and maximize energy performance for fiscal sustainability.

East Carolina University School of Dental Medicine Greenville, NC

Ledyard Ross Hall



A new on-campus instructional facility and its associated rural satellite clinics are advancing ECU's innovative model of service-oriented dental care, in which fourth-year students work off campus to provide dental services to underserved citizens under the guidance of experienced faculty.

Ross Hall is designed to support the latest trends in dental medicine and clinical training. The facility includes 133 dental operatories, five specialty clinics, smart classrooms, teleconference rooms, and state-of-the-art simulation labs, as well as administrative/support spaces. In particular, the Preclinical Technique and Clinical Simulation Labs promote hands-on training and collaboration. The satellite Service Learning Centers are designed to enhance the patient experience, enabling students to easily transition into the clinical environment.

The EYP-led design team, including consulting architects Bohlin Cywinski Jackson, worked with a wide variety of stakeholders, including faculty from dental schools nationwide. Two of the satellite clinics are open (Ahoskie and Elizabeth City), four are under construction, and several more are in the planning stages.

- 185,000 GSF new construction (Ross Hall)
- 7,700 GSF new construction (Service Learning Centers)
- Programming & Planning, Architecture





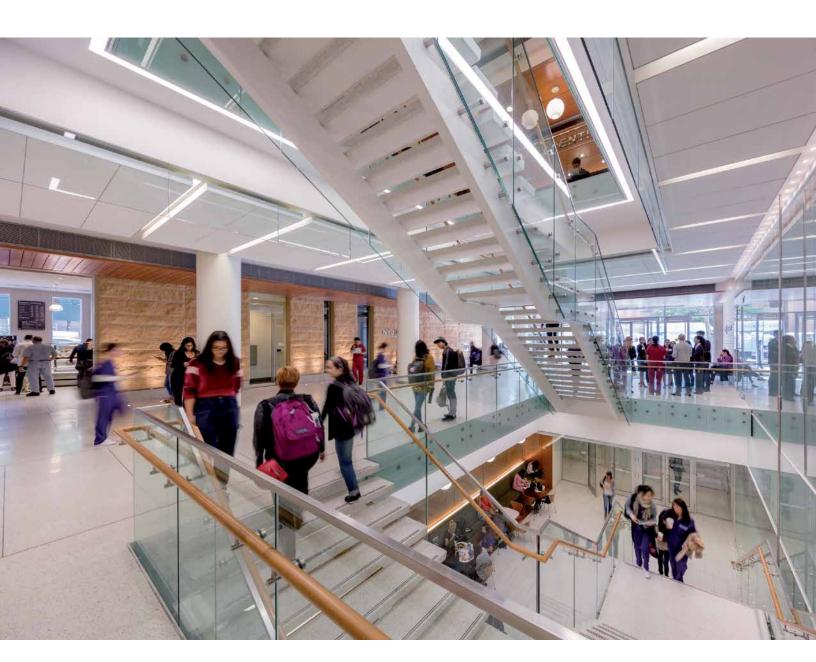






New York University New York, NY

College of Nursing, College of Dentistry & Bioengineering Institute



To attract and better serve the very best students, 433 First Avenue is designed to provide a gracious, unified spatial experience appropriate to those who will lead the future of healthcare. The signature facility collocates programs in nursing, dentistry, and bioengineering to cultivate a unique model for educating healthcare professionals in environments that foster synergies for collaboration, research, teaching, and community service.

The LEED Silver-designed facility is conceived as an innovative vessel for human-focused technology. The latest systems and equipment – from LED lighting to controllability of HVAC systems - enhance occupant experience and improve building energy performance. Technology-infused teaching spaces are designed to ease the transition from education to clinical environment. Medical simulation training improves patient safety by enabling future health care professionals to "practice on plastic," presenting students with increased opportunities to refine skills and advanced techniques.

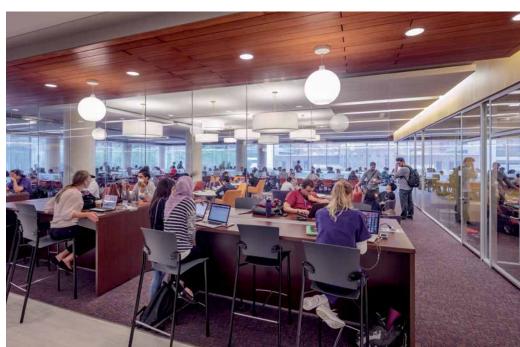
NYU's world-class brand is pervasively expressed through attractive finishes, comfortable furnishings, and one-stop shops for student services that recognize their constituencies are discerning customers as well as active learners. Strategic glazing showcases the activities within and opens expansive views of the city's million-dollar views — a design solution that enhances the facility's spacious feel despite the space constraints of its tight urban site.

KPF was collaborating architect on this project.

- 170,000 GSF new construction
- Programming & Planning,
 Architecture, Laboratory Planning











University of St. Thomas Houston, TX

Center for Science & Health Professions



The Center for Science and Health Professions is the first step in realizing the master plan of creating a science quadrangle at the University of St. Thomas (UST). The 180,000 SF building includes the Nursing, Biology, Chemistry, Environmental, and Mathematics Departments.

Built around a master plan created by Philip Johnson, the academic departments at UST are organized in two-story, modernist buildings around a shaded courtyard. Introducing a new building demanded a high level of sensitivity to the existing campus. However, the building's location at the southern boundary presented the opportunity to create a new gateway to the university.

In response, the design presents five interconnected pavilions around a courtyard, which reduces the large scale of the building. The five small pavilions, echoing the scale, form, and character of the existing campus and neighborhood context, are organized around a central courtyard at the width of the Academic Mall. Developing an outdoor plaza facing the Library and the southern terminus of Johnson's academic quadrangle strengthens connections to the existing campus.

- 180,000 SF
- Programming, Architecture, Laboratory Planning









Virginia Commonwealth University Richmond, VA Allied Health Building



The new Allied Health Building will unite Gerontology, Health Administration, Nurse Anesthesia, Occupational Therapy, Patient Counseling, Physical Therapy, Radiation Sciences, Rehab Counseling, and the Technology Center, as well as the Dean's Office and the Virginia Center on Aging.

Variously sized, flexible classrooms located throughout the building will support strategic adjacencies and ease of sharing. The design enables departments to share teaching amenities and technologies, such as synchronous distance-learning classrooms; audiovisual capture of directed instruction; and observation of patient-care simulation.

The building houses a dedicated Nurse Anesthesia simulation suite, as well as one shared by all of the allied health disciplines working individually or in teams across specialties. Simulated hospital environments will be provided for operating rooms, acute care patient rooms, recovery rooms, and a range of imaging spaces including a high-tech virtual linear accelerator. The therapy departments will share a state-of-the-art Smart Home Apartment for training students.

The program also includes a double-height biomechanics research lab and several maker labs, where students and faculty can research, create, and test their own adaptive aids for therapy.

- 54,000 GSF new construction
- Architecture, Programming & Planning, Laboratory Planning, Fire Protection Engineering, Energy Analysis



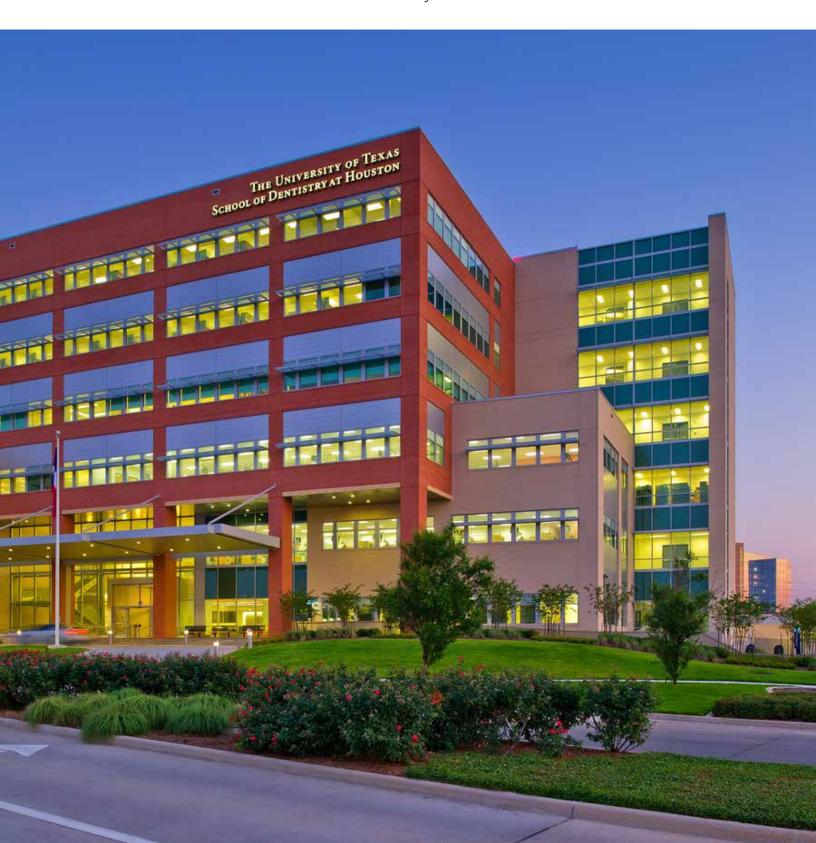






University of Texas Health Science Center at Houston Houston, TX

School of Dentistry



The School of Dentistry is a new, six-story dental education and clinical facility complete with dental clinics, simulation and pre-clinical labs, clinical support labs, a clinical research lab, classrooms, a learning resource center, a student center, and administrative space.

The school houses some of the industry's most advanced equipment and education technology, allowing for the highest quality in patient care, research, and education, assisting the University in reaching its goal of graduating the most well-trained dental professionals in the world.

The facility enabled UTHealth to expand its program by 20 percent to accommodate 100 Dental Medicine students and 50 Dental Hygiene students per cohort.

- 296,500 SF new construction
- Programming, Planning, Architectural Design, Furniture Planning, Graphics, and Wayfinding
- Three distinct zones: public (patient care), education and simulation, and faculty and staff
- Diagnostic center
- Imaging suite
- Special patient clinic
- Fourth-year/dental hygiene clinic
- Specialty clinics for oral and maxillofacial surgery, orthodontics, pediatric dentistry, endodontics, prosthodontics and periodontics
- Faculty practice clinic
- 285 operatories
- Clinical labs
- Simulation lab
- Pre-clinical lab
- Central sterile
- Tierred and flexible flat-floor classrooms
- Student lounge
- Learning resource center
- Departmental and administrative offices
- Biomaterials lab
- Diagnostics lab









University of Texas Medical Branch Galveston, TX

New Health Education Center

The Health Education Center (HEC) at the University of Texas Medical Branch at Galveston (UTMB), scheduled for completion in 2018, will consist of 160,000 GSF of resilient and advanced technology education space.

The HEC will promote inter-professional education in all UTMB schools, which include nursing, health professions and medicine, along with professional education for residents, nurses, physicians and staff.

The facility will be the home of a new centralized Simulation Center for the UTMB campus. It will feature flexible and specialized labs, including an OR/ICU Suite, a Standardized Patient Suite and flexible simulation labs for the UTMB health education community.

The large learning labs will accommodate a range of simulation technology and will be specifically sized to bring interdisciplinary teams together. The labs will also be designed to integrate simulation spaces and debrief spaces to create an immersive experience for students.

The Health Education Center will also include large flat-fl oor classrooms to enable "flipped classroom" pedagogy, study spaces, educational offices and administrative space. All of this will help UTMB manage the growth of its health education programs and increase in exposure to hands-on simulation.

• 160,000 GSF new construction









James Madison University Harrisonburg, VA

Health & Behavioral Studies Building



The new interdisciplinary facility is designed to foster the behaviors essential for success in the increasingly interprofessional healthcare work environment.

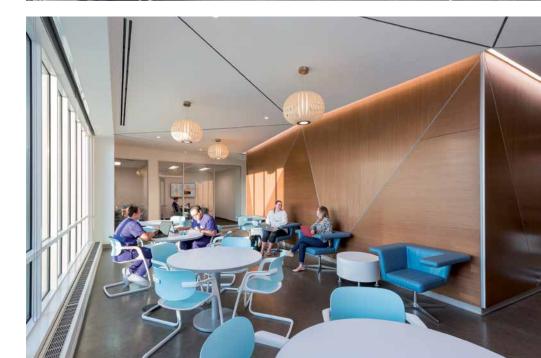
Larger departments – Nursing, Health Science (including Occupational Therapy, Athletic Training, and Dietetics), and Communication Sciences and Disorders – share floors and simulation spaces. Smaller departments and program elements – Social Work, Creative Services, and the Dean's suite – are located by functional adjacency. Specialized teaching laboratories anchor each floor, creating distinct identities for the departments, as well as destinations for other faculty and students.

The building houses three types of simulation learning technology: simulation mannequins, human patient simulation, and virtual patient simulation. In addition to teaching laboratories, classrooms, lecture halls, informal learning spaces, and administrative spaces, the program includes specialized research and clinical spaces to study and treat patients with hearing and communication impairments.

- 150,000 GSF
- · LEED Silver design
- 13 research labs
- 17 classrooms
- 19 teaching lab
- Patient simulation lab
- · Food production lab
- 2 165-seat lecture halls
- · Hearing clinic











FIRM OVERVIEW

Disciplines

Architecture, Engineering, Energy, Environmental Graphic Design, Interior Design, Master Planning

Integrated Design Expertise

- Academic Innovation
- Diplomatic Facilities
- Energy & Sustainability
- Health Education
- Healthcare
- Historic Preservation
- Libraries

- Master Planning
- Mission Critical Facilities
- Modernization
- Science & Technology
- STEM
- Student Life
- Workplace

Research

- Building Science
- Healthcare Design
- STEM

- Energy
- Living-Learning
- Workplace

Recognition

- 2018 Top 25 Architecture Firms, Architectural Record
- 2018 Giants 300, Architecture/Engineering Firms, Building Design + Construction
- · 2018 Top 500 Design Firms, Engineering News-Record
- 2018 Healthcare Giants, Interior Design
- 2017 Architect 50, Architect Magazine
- 2017 MEP Giants, Consulting-Specifying Engineer
- 2017 Top Architects, #1 for Healthcare Renovation, Health Facilities Construction Quarterly

SERVICES

Architecture

- Design
- Planning
- Programming
- Interior Design
- Life Safety
- Environmental Graphic Design
- Workplace Strategy & Design
- Master Planning

Energy

- Energy Data Analysis
 - Energy modeling
 - Benchmarking
- DSM Programs for Utilities
- Building Performance Optimization
 - Energy Audits
 - Energy Master Plans
 - Retro-commissioning

Software

- B3 Benchmarking
- NEO Net Energy Optimizer®
- Custom tools with WeidtSim®

Engineering

- Electrical
- Fire Protection
- Mechanical
- Plumbing
- Security
- Structural
- Telecommunications

Consulting

- Graphic Design
- Marketing Communications
- Public Relations

Abilene Christian University Clemson University

Adelphi University Clinton Community College

Alamo Colleges Coastal Bend College

Albany College of Pharmacy and Health Sciences Colby College
Albany Law School Colgate University

Amarillo College College of Saint Elizabeth
American University College of Staten Island
Amherst College College of the Holy Cross

Angelo State University Collin College

Appalachian State University
Assumption College
Austin College
Connecticut College

Austin Connege

Austin Community College District

Cornell University

Austin Peay State University Dallas County Community College District

Barnard College
Bay Path College
Baylor College of Medicine
Dartmouth College
Del Mar College
Dominican College

Baylor University

Bemidji State University

Duke University

East Carolina University

Bennington College East Carolina University School of Dental Medicine

Berea College Eastern Michigan University

Binghamton University

Black Hills State University

Boston College

Boston University

Eastfield College

Effat University

El Centro College

Emmanuel College

Bowdoin University Emory and Henry College

Bowie State University Emory University

Brandeis University Farmingdale State College, State University of New York

Bridgewater College Finger Lakes Community College

Brookdale Community College Florida Southern College
Brookhaven College Fordham University

Brown University Franklin & Marshall College

Bryant University Franklin College

Bucknell University Frederick Community College

Buena Vista University Gallaudet University
Cabrini College Galveston College

Canisius College George Mason University
Carleton College Georgetown University

Case Western Reserve University Georgia Institute of Technology

Cazenovia College
Central College
Central Texas College

Chatham University Hampden-Sydney College
Christopher Newport University Hardin-Simmons University

Clarendon College Hartwick College

Harvard Business School Harvard College Library Harvard University

Harvard University, John F. Kennedy

School of Government

Haverford College

Herkimer County Community College

Houston Baptist University Houston Community College

Howard University

Hudson Valley Community College

Iowa State University
James Madison University
Johns Hopkins University

Kean University Keene State College Lafayette College

Laguardia Community College Lamar Institute of Technology Lamar State College - Port Arthur

Lamar University Lehigh University

Lone Star College System
Loyola University New Orleans
Lubbock Christian University
Manhattanville College

Marist College Marshall University

Massachusetts College of Liberal Arts Massachusetts Institute of Technology

Massachusetts Maritime Academy

McMurry University

Medical University of South Carolina

Mercy College Meredith College

Michigan State University Middlebury College

Midwestern State University

Minnesota State Colleges & Universities

Mississippi State University

MIT Department of Facilities
Mitchell Community College
Mohawk Valley Community College

Monmouth University

Montclair State University

Montgomery College Moravian College

Morgan State University Mount Aloysius College Mount Holyoke College Mount Saint Mary College Muskingum University

Navarro College

New Jersey City University

New Jersey Institute of Technology

New York University

North Carolina A&T State University North Carolina Central University North Carolina State University

Northeastern University

Northern Virginia Community College

Northland College

Northwestern University

Orange County Community College

Pace University

Pennsylvania State University Prairie View A&M University

Princeton University
Purchase College

Quinsigamond Community College

Radford University

Ramapo College of New Jersey Rensselaer Polytechnic Institute

Rice University

Richard Stockton College of New Jersey Rochester Institute of Technology

Rockefeller University Rockhurst University

Rockland Community College Roger Williams University

Rollins College

Rowan College at Burlington County
Rutgers, The State University of New Jersey

Sage Colleges

Saint Joseph's College

Sam Houston State University

San Jacinto College Sarah Lawrence College School of Visual Arts Schreiner University

Siena College Skidmore College

Southern Methodist University
Southwestern University

Spring Hill College

Springfield Technical Community College

St. Edward's University
St. John's University

St. Mary's College of Maryland

St. Mary's University St. Olaf College Stanford University

State University of New York at New Paltz State University of New York at Oneonta

State University of New York College at Cortland

State University of New York Institute of

Technology at Utica/Rome
Stephen F. Austin State University

Stetson University Stevenson University Stony Brook University Sul Ross State University

SUNY Broome Community College

SUNY Cobleskill SUNY Geneseo

SUNY Maritime College
SUNY Polytechnic Institute
SUNY Upstate Medical University

Swarthmore College
Syracuse University
Tarleton State University

Tarrant County College Temple University

Texas A&M College of Medicine
Texas A&M International University

Texas A&M University

Texas Christian University

Texas A&M University Baylor College of Dentistry

Texas A&M University-Central Texas
Texas A&M University-Commerce
Texas A&M University-Corpus Christi
Texas A&M University-Galveston
Texas A&M University-Kingsville
Texas A&M University-San Antonio
Texas A&M University-Texarkana

Texas Southern University

Texas State Technical College-Harlingen
Texas State Technical College-Waco

Texas State University
Texas Tech University

Texas Tech University Health Science Center

Texas Wesleyan University Texas Woman's University

The Catholic University of America
The City University of New York
The College of New Jersey
The College of New Rochelle
The College of Saint Rose
The College of William & Mary

The College of Wooster

The George Washington University

The Ohio State University

The State University of New York
The Texas A&M University System
The Texas State University System

The University of North Carolina at Charlotte

The University of Texas at Arlington
The University of Texas at Austin
The University of Texas at Brownsville
The University of Texas at Dallas
The University of Texas at El Paso
The University of Texas at San Antonio

The University of Texas at Tyler

The University of Texas Health Science Center at Houston

The University of Texas Health Science Center at

San Antonio

The University of Texas Medical Branch at Galveston

The University of Texas of the Permian Basin

The University of Texas System

The University of Texas-Pan American

Towson University
Transylvania University

Trinity College Trinity University

Trinity Valley Community College Trinity Washington University Truman State University

Tufts University
Union College

United World College

University at Albany
University at Buffalo
University of Akron
University of California
University of Charleston
University of Chicago
University of Dallas
University of Dayton
University of Delaware
University of Denver
University of Florida

University of Houston - Clear Lake University of Houston - Downtown University of Houston - Victoria

University of Iowa

University of Houston

University of Mary Hardin - Baylor
University of Mary Washington
University of Maryland, Baltimore
University of Massachusetts Amherst
University of Massachusetts Dartmouth

University of Michigan
University of Minnesota
University of Missouri
University of New England
University of New Hampshire
University of New Haven
University of New Mexico

University of North Carolina at Chapel Hill
University of North Carolina at Greensboro
University of North Carolina at Pembroke
University of North Carolina at Wilmington
University of North Carolina School of Medicine

University of North Texas

University of North Texas System

University of Oxford
University of Pennsylvania
University of Pittsburgh
University of Richmond
University of Scranton
University of South Carolina

University of Southern Maine

University of St. Joseph Connecticut

University of St. Thomas

University of Tennessee at Knoxville

University of Texas MD Anderson Cancer Center
University of Texas Southwestern Medical Center

University of the Incarnate Word

University of Vermont University of Virginia

University of Virginia Foundation University of Wisconsin - Madison University System of New Hampshire

UNT Health Science Center

Unversity of Wisconsin - Whitewater

Vassar College

Virginia Commonwealth University Virginia Community College System

Virginia Polytechnic Institute & State University

Virginia State University

Wake Technical Community College Washington & Jefferson College

Washington College

Washington University in St. Louis

Wayne State University Weatherford College Wellesley College

West Texas A&M University
West Virginia University
Western Technical College
Wharton County Junior College

Wheaton College Williams College

Winston-Salem State University Worcester Polytechnic Institute

Yale University

Yale University School of Medicine

Yeshiva University



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